

Do Not Enter 12-12-07 NLL
Amendments to the Claims:

Please amend the claims as shown. Applicants reserve the right to pursue any cancelled claims at a later date.

1-31 (canceled)

32. (currently amended) A device for determining causes of failures in an industrial process comprising a production line and an existing automation system and existing automation control bus, the device comprising;

a detection unit separate from the existing automation system and from the existing automation control bus that directly detects process variables at selected measuring points on the production line and the time and location of a failure without passing through the existing automation system or the existing automation control bus;

an evaluation unit that determines correlations between the detected process variables and the time and location of the failure, by time-correlating an effect of the failure detected in the process variables with a location on the production line of a cause of the failure based on a production speed, without a need for detecting a second failure; and

an output unit that outputs the process variables correlating with the time and location of the failure.

33-40. (canceled)